

LB00113

United States Environmental Protection Agency
Region 4



**35TH AVENUE REMOVAL INVESTIGATION
BIRMINGHAM, ALABAMA
JEFF CROWLEY, ON-SCENE COORDINATOR**

FIELD SAMPLING LOGBOOK

Book ____ of ____
Inclusive Dates: 1/12/15 - 1/16/15

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
<u>Jerry Partain</u>	_____	<u>OTIE</u> , Team Leader
<u>Russell Henderson</u>	_____	<u>OTIE</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

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Unless
Scienc
(FBQS)

The tot
collecta

Grab sur
located.

Three-po
residential

Samples s

Grab sedi
(SESDPR)
directed by

Each surfa
will be fil
identifying

All sample
(SESDPR)
performed.
will be sieve
and unsieve
as much air
compressed
the unsieved
portion of th

Sampling Procedures and Methodology

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and $\leq \frac{1}{4}$ -acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over $\frac{1}{4}$ -acre in parcel lot size will be divided into $\frac{1}{4}$ -acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SESD FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34th Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SESD FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

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Based on the site
Tampa, Florida (a
PCB, and/or Hexa-
unsieved portions)

The location of each
System (SESDPRC)

A description of the

The **station ID** for
designation for the
e.g. CV0001A would
with Property ID C-

The **sample ID** for
(sediment), or "SW-
CV0001A-CS. Co-
Pan splits will be id-

Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC- 110-R3) using a Trimble GPS.

A description of the color and texture of the aliquot material will be recorded in each box.

The **station ID** for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with “A”.

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The **sample ID** for each sample is the station ID with “CS” (composite soil), “GS” (grab soil), “SD” (sediment), or “SW” (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a “D” to the end of the sample ID. Pan splits will be identified by appending an “SP” to the end of the sample ID.

ADDRESS: 3117 34TH AVE N
DATE: 11/13/15

PROPERTY ID: CV0912
ARRIVAL TIME: 1000

STATION ID:

SAMPLE COLLE

Description of s

Collection: Con

Field Duplicate or

GPS Coordinates:

Aliquot #1: Latit

Media de

Aliquot #2 Latit

Media de

Aliquot #3: Latit

Media de

Aliquot #4: Latit

Media de

Aliquot #5: Latit

Media de

* SAA - SA

STATION ID:

SAMPLE COLLE

Description of sa

Collection: Con

Field Duplicate or

GPS Coordinates:

Aliquot #1: Latit

Media de

Aliquot #2 Latit

Media de

Aliquot #3: Latit

Media de

Aliquot #4: Latit

Media de

Aliquot #5: Latit

Media de

* SAA - SA

Other pertinent information (weather conditions, etc.):

39°F LIGHT FOG / cloudy

PROPERTY COMMENTS:

Douglasville United Methodist Church

Grid for property sketch

SEE MAP
Lot Book 45

ATION ID: CV0912A SAMPLE ID: CV0912A-CS6

MAMPLE COLLECTION TIME: 10:55

scription of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

lection: Composite or Grab

MS/MSD? Y or N

Id Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

S Coordinates: Trimble [] Instrument #: Logged? Y or N

quot #1: Latitude: 33.55436004400 N Longitude -86.79827663450 W

Media description: GRASS, BWN SILTY SAND, W/ GRATER + CLAY RENAL 06"

quot #2 Latitude: 33.55436147850 N Longitude -86.79820268090 W

Media description: GRASS, BWN SANDY SILT GRAVEL, A 4" TO DRY SILTY CLAY, DAMP, GRAY ANDES

quot #3: Latitude: 33.55429647060 N Longitude -86.79824933560 W

Media description: SAA

quot #4: Latitude: 33.55423322260 N Longitude -86.79820867800 W

Media description: ~~TO SAA~~ GRASS, BWN SANDY SILT W/ GRATER + CLAY, DRY

quot #5: Latitude: 33.55422653770 N Longitude -86.79828810490 W

Media description: SAA

-SAA - SAME AS ABOVE

ATION ID: CV0912 SAMPLE ID: CV0912A-CS12

MAMPLE COLLECTION TIME: 10:55

scription of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

lection: Composite or Grab

MS/MSD? Y or N

Id Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

S Coordinates: Trimble [] Instrument #: Logged? Y or N

quot #1: Latitude: N Longitude W

Media description: RENAL 06"

quot #2 Latitude: N Longitude W

Media description: DRY SILTY CLAY, DAMP, NO WORL

quot #3: Latitude: N Longitude W

Media description: SAA

quot #4: Latitude: N Longitude W

Media description: BWN SILTY SILT W/ GRATER + CLAY, RIGGS, DRY, RENAL 012"

quot #5: Latitude: N Longitude W

Media description: BWN SANDY SILT CLAY, A 10" DRY CLAY CITY W/ GRATER, DAMP

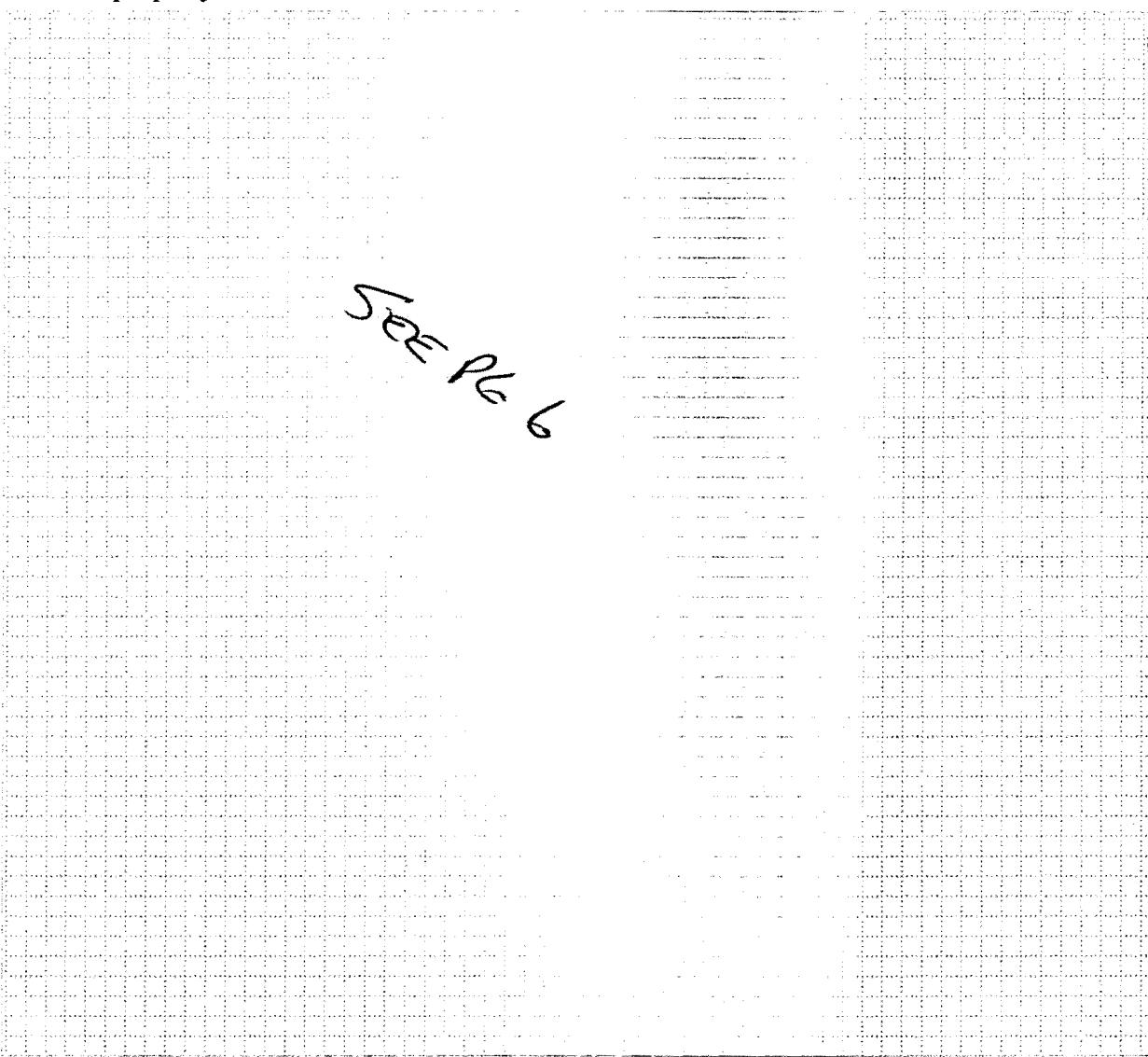
SAA - SAME AS ABOVE

ADDRESS: 3117 34TH AVE N PROPERTY ID: C10912
DATE: 1/13/15 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



* Coordinates same as CVO912A-CS6

STATION ID: CVO912A SAMPLE ID: CVO912A - CS18"

SAMPLE COLLECTION TIME: 1120

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble Instrument #: Logged? (Y) or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: Refuse @ 6"

Aliquot #2: Latitude: _____ N Longitude _____ W

Media description: Orange Ctry, Ditch, No Cowl

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: Orange Ctry, Ditch, No Cowl

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: Refuse @ 12"

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: Orange Ctry, Ditch, No Cowl

STATION ID: CVO912A SAMPLE ID: CVO912A - CS24"

SAMPLE COLLECTION TIME: 1130

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble Instrument #: Logged? (Y) or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: Refuse @ 6"

Aliquot #2: Latitude: _____ N Longitude _____ W

Media description: Orange Ctry, Ditch, No Cowl

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: Orange Ctry, Ditch, No Cowl

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: Refuse @ 12"

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: Orange Ctry, Ditch, No Cowl

ADDRESS: 3708 43RD AVE N

PROPERTY ID: HPO205

DATE: 1/13/15

ARRIVAL TIME: 1400

STATION ID:

SAMPLE COL

Description of

Collection: C

Field Duplicate

GPS Coordinates

Aliquot #1: Lat

Media

Aliquot #2: Lat

Media

Aliquot #3: Lat

Media

Aliquot #4: Lat

Media

Aliquot #5: Lat

Media

NSA - Same

STATION ID:

SAMPLE COL

Description of s

Collection: C

Field Duplicate

GPS Coordinates

Aliquot #1: Lat

Media

Aliquot #2: Lat

Media

Aliquot #3: Lat

Media

Aliquot #4: Lat

Media

Aliquot #5: Lat

Media

NSA - Same

Other pertinent information (weather conditions, etc.):
41°F cloudy

PROPERTY COMMENTS:

VACANT LOT

Grid for property sketch

Soil map at back of
log book

ID: H0205A SAMPLE ID: H0205A-CS6"

COLLECTION TIME: 1440

on of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

: Composite or Grab MS/MSD? Y or N

icate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

dinates: Trimble Instrument #: _____ Logged? or N

Latitude: 33.56575725530 N Longitude -86.79022379370 W

edia description: GRASS, BWN SILTY CLAY w/ CLEN FRZES, DTRIP, NO ODORE

Latitude: 33.56584115960 N Longitude -86.79023114810 W

edia description: SAA

Latitude: 33.56579476310 N Longitude -86.79031626870 W

edia description: SAA

Latitude: 33.56574309460 N Longitude -86.79038906030 W

edia description: SAA

Latitude: 33.56585144680 N Longitude -86.79039197280 W

edia description: GRASS, BWN SILTY CLAY w/ BLOCS - DEPTH 12"-6"

Same AS ABOVE

ID: H0205A SAMPLE ID: H0205A-CS12"

COLLECTION TIME: 1450

on of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

: Composite or Grab MS/MSD? Y or (N)

cate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: H0205A-CS12" P1450

dinates: Trimble Instrument #: _____ Logged? or N

Latitude: _____ N Longitude _____ W

edia description: BWN SALTY CLAY w/ CLEN FRZES, DTRIP, NO ODORE

Latitude: _____ N Longitude _____ W

edia description: RENDISH/BWN SILTY CLAY w/ CLEN FRZES, DTRIP, NO ODORE

Latitude: _____ N Longitude _____ W

edia description: RENDISH/BWN SILTY CLAY, DTRIP, NO ODORE

Latitude: _____ N Longitude _____ W

edia description: SAA

Latitude: _____ N Longitude _____ W

edia description: RENDISH & 6"

- Same AS ABOVE

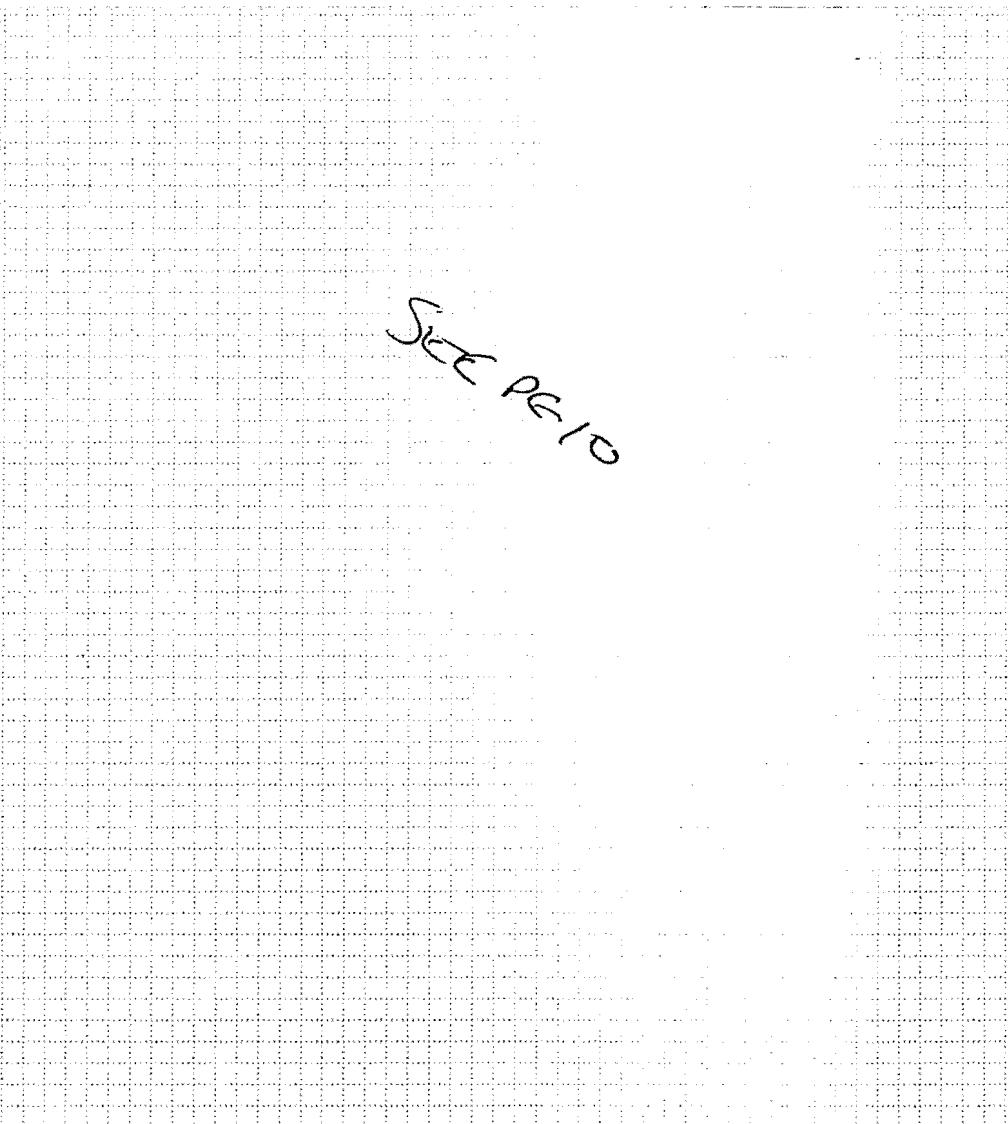
ADDRESS: 3708 43RD AVE N PROPERTY ID: HPO205

DATE: 1/13/15 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID:

SAMPLE COL:

Description c

Collection:

Field Duplicate

GPS Coordinate

Aliquot #1: Lat

Media

Aliquot #2: Lon

Media

Aliquot #3: Lat

Media

Aliquot #4: Lon

Media

Aliquot #5: Lat

Media

SA - S

STATION ID:

SAMPLE COL:

Description of

Collection:

Field Duplicate

GPS Coordinate

Aliquot #1: Lat

Media

Aliquot #2: Lon

Media

Aliquot #3: Lat

Media

Aliquot #4: Lon

Media

Aliquot #5: Lat

Media

SA - S

* Coordinates same as HP0205A - CSb

STATION ID: HP0205A SAMPLE ID: HP0205A-CS18"
SAMPLE COLLECTION TIME: 1500

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No, If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble []	Instrument #:	Logged? (Y or N)
Aliquot #1: Latitude:	N Longitude	W
Media description: <u>Brown silty clay w/ some fines, A 16" To Gray sandy silty, no S, no D, no R</u>		
Aliquot #2 Latitude:	N Longitude	W
Media description: <u>Reddish silty clay, Damp, no R or R'</u>		
Aliquot #3: Latitude:	N Longitude	W
Media description: <u>SAA</u>		
Aliquot #4: Latitude:	N Longitude	W
Media description: <u>SAA</u>		
Aliquot #5: Latitude:	N Longitude	W
Media description: <u>Reddish (w/ 6")</u>		

* SAA - same as above
STATION ID: HP0205A SAMPLE ID: HP0205A-CS24"

SAMPLE COLLECTION TIME: 1530

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No, If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble []	Instrument #:	Logged? (Y or N)
Aliquot #1: Latitude:	N Longitude	W
Media description: <u>Gray sandy silty, wet, no O or R</u>		
Aliquot #2 Latitude:	N Longitude	W
Media description: <u>Reddish silty clay, Damp, no O or R</u>		
Aliquot #3: Latitude:	N Longitude	W
Media description: <u>SAA</u>		
Aliquot #4: Latitude:	N Longitude	W
Media description: <u>SAA</u>		
Aliquot #5: Latitude:	N Longitude	W
Media description: <u>Reddish (w/ 6")</u>		

* SAA - same as above

ADDRESS: _____ PROPERTY ID: C00724

DATE: 1/14/15 ARRIVAL TIME: 0830

STATION ID: _____

SAMPLE COLLE

Description of s

Other pertinent information (weather conditions, etc.):

34°F cloudy/misty

Collection: Co

Field Duplicate co

GPS Coordinates

Report #1: Latit

Media de

Report #2: Latit

Media de

Report #3: Latit

Media de

Report #4: Latit

Media de

Report #5: Latit

Media de

XSA - S

STATION ID: _____

SAMPLE COLLE

Description of sm

Collection: Co

Field Duplicate co

GPS Coordinates

Report #1: Latit

Media de

Report #2: Latit

Media de

Report #3: Latit

Media de

Report #4: Latit

Media de

Report #5: Latit

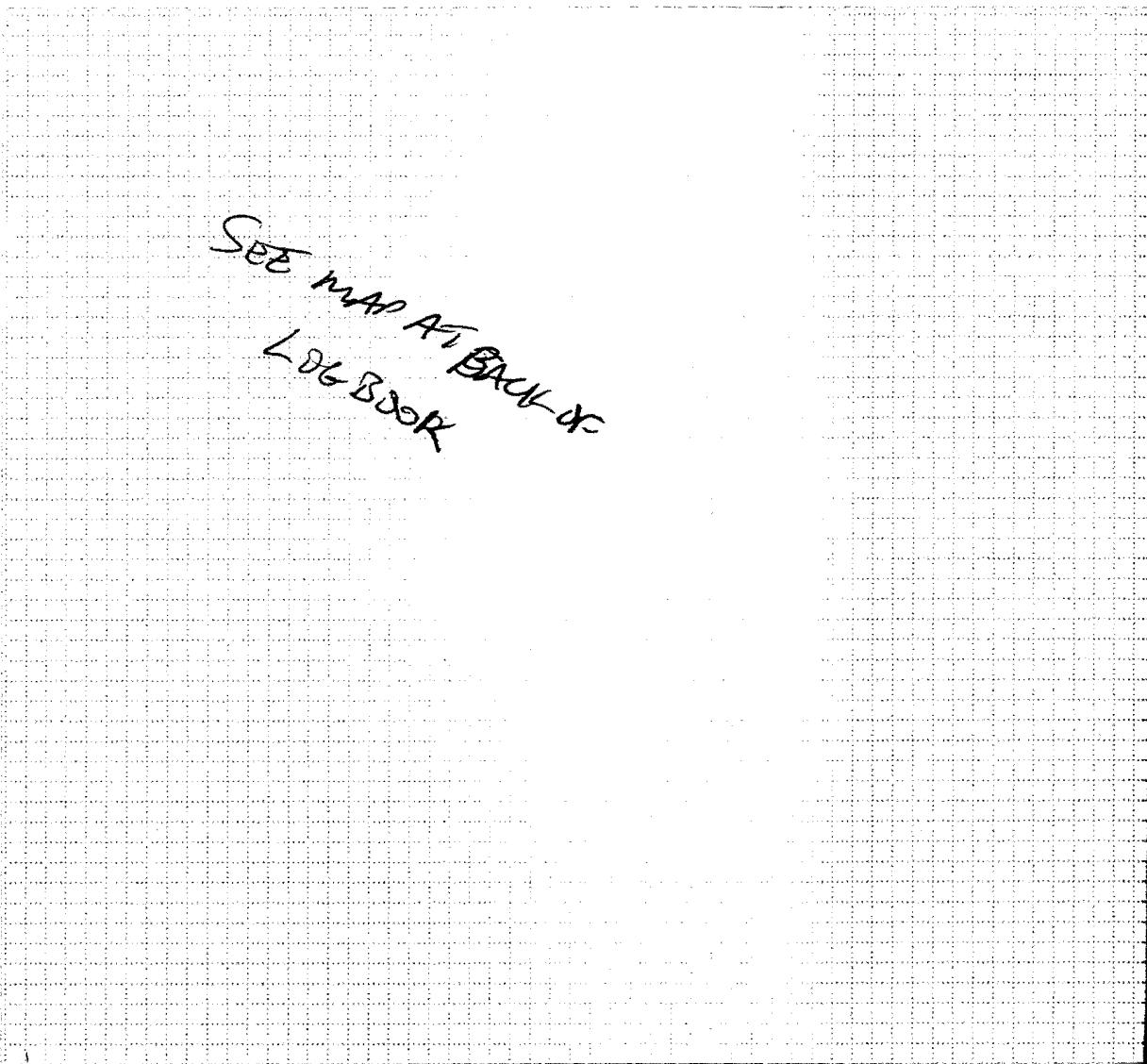
Media de

XSA - S

PROPERTY COMMENTS:

House - same to BACK YARD

Grid for property sketch



STATION ID: CVD724B

SAMPLE ID: CVD724B-CS6"

SAMPLE COLLECTION TIME: 0900

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X] Instrument #: Logged? (Y, or N)

Aliquot #1: Latitude: 33.56159604000 N Longitude 86.79827640180 W

Media description: GRASS, DK BWN SANDY SILT w/ CNTL FRAGS + GRAY, DTRM, NO OBLR

Aliquot #2 Latitude: 33.56154985800 N Longitude 86.79827347730 W

Media description: SAA A 5"-ORANGE CLAY, DTRM, CNTL, DTRM?

Aliquot #3: Latitude: 33.56157362520 N Longitude 86.79827820900 W

Media description: SAA

Aliquot #4: Latitude: 33.56155100540 N Longitude 86.79818504940 W

Media description: SAA A 5"-ORANGE CLAY, DTRM?

Aliquot #5: Latitude: 33.56159872210 N Longitude 86.79818306330 W

Media description: GRASS, DK BWN SANDY SILT w/ CNTL FRAGS + GRAY, DTRM, NO OBLR

*SAA - SAME AS ABOVE

STATION ID: CVD724B

SAMPLE ID: CVD724B-CS12"

SAMPLE COLLECTION TIME: 0915

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y, or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X] Instrument #: Logged? (Y, or N)

Aliquot #1: Latitude: N Longitude W

Media description: BWN SANDY SILT w/ GRAY, CNTL FRAGS, A 10"-ORANGE CLAY, DTRM?

Aliquot #2 Latitude: N Longitude W

Media description: ORANGE SILTY CLAY, DTRM?, NO OBLR

Aliquot #3: Latitude: N Longitude W

Media description: ORANGE SILTY CLAY, DTRM?, NO OBLR

Aliquot #4: Latitude: N Longitude W

Media description: SAA

Aliquot #5: Latitude: N Longitude W

Media description: DK BWN SANDY SILT w/ GRAY, CNTL FRAGS, A 10"-ORANGE CLAY, DTRM?

*SAA - SAME AS ABOVE

* Coordinates same as CVD724B-CS6"

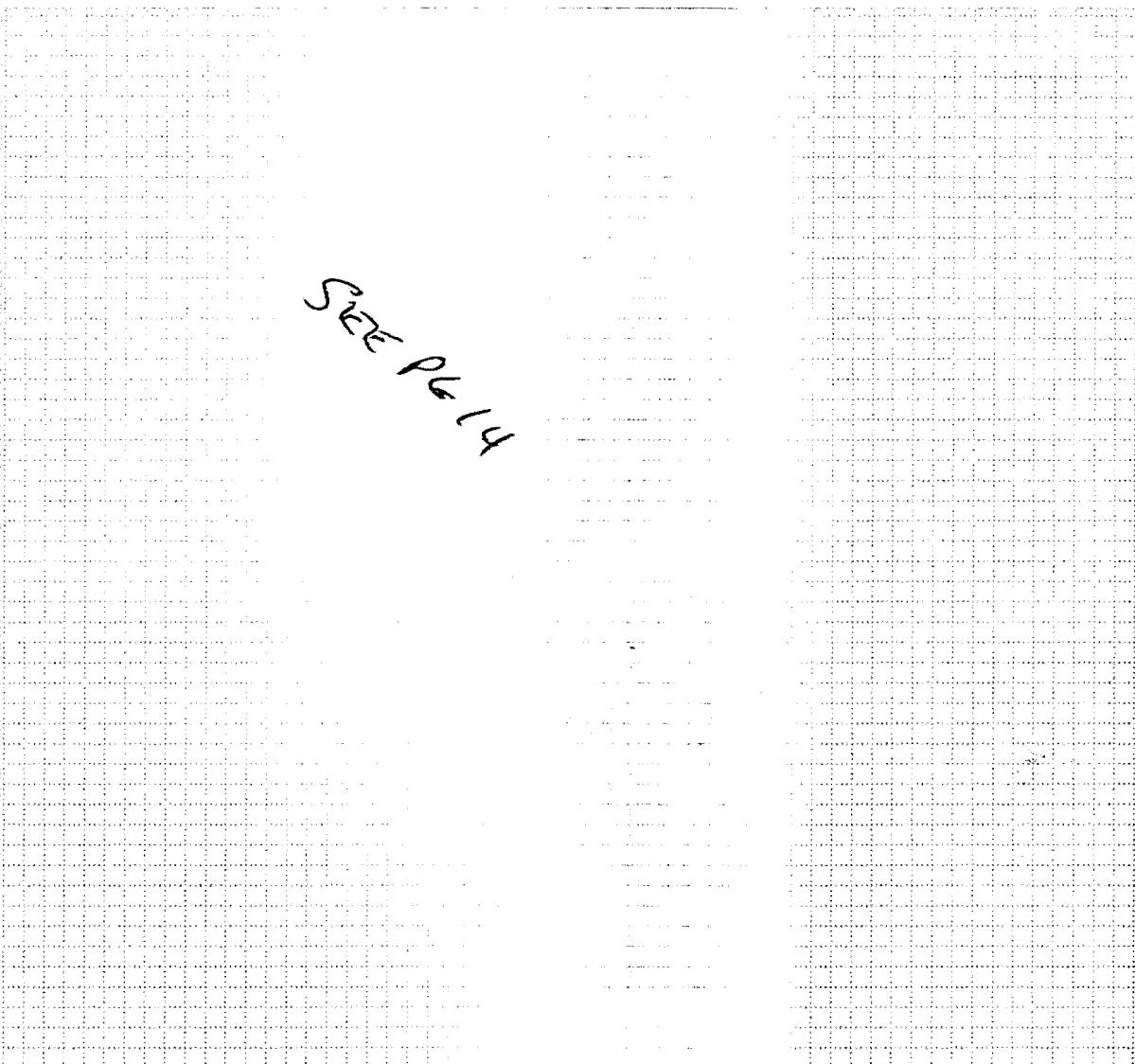
ADDRESS: _____ PROPERTY ID: CVO724

DATE: 1/14/15 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0724B

SAMPLE ID: CV0724B-CS18"

SAMPLE COLLECTION TIME: 0950

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble Instrument #: Logged? Y or N

Aliquot #1: Latitude: N Longitude W

Media description: ORANGE CLAY, DTRM P, NO DRY

Aliquot #2: Latitude: N Longitude W

Media description: ORANGE CLAY, DTRM P, NO DRY

Aliquot #3: Latitude: N Longitude W

Media description: ORANGE CLAY, DTRM P, NO DRY

Aliquot #4: Latitude: N Longitude W

Media description: SAA

Aliquot #5: Latitude: N Longitude W

Media description: SAA

*SAA - SAME AS ABOVE

STATION ID: CV0724B

SAMPLE ID: CV0724B-CS24"

SAMPLE COLLECTION TIME: 1005

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble Instrument #: Logged? Y or N

Aliquot #1: Latitude: N Longitude W

Media description: ORANGE CLAY, DTRM P, NO DRY

Aliquot #2: Latitude: N Longitude W

Media description: SAA

Aliquot #3: Latitude: N Longitude W

Media description: SAA

Aliquot #4: Latitude: N Longitude W

Media description: SAA

Aliquot #5: Latitude: N Longitude W

Media description: SAA

*SAA - SAME AS ABOVE

ADDRESS: 3430 34TH TERRACE N

PROPERTY ID: HP0006

DATE: 4/14/15

ARRIVAL TIME: 1215

Other pertinent information (weather conditions, etc.):

37°F cloudy

PROPERTY COMMENTS:

Grid for property sketch

*See map at back of
Logbook*

STATION ID: HP0006A

SAMPLE ID: HP0006-CS6"

SAMPLE COLLECTION TIME: 1305

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56123814500</u>	N Longitude <u>-86.79773655480</u> W
Media description: <u>GRASS, GRAYISH SANDY SILT w/ LITTLE FRAGS, DAMP, NO ODOUR</u>	
Aliquot #2 Latitude: <u>33.56124528130</u>	N Longitude <u>-86.79773540740</u> W
Media description: <u>GRASS, GRAYISH SANDY SILT w/ LITTLE FRAGS, DAMP, NO ODOUR</u>	
Aliquot #3: Latitude: _____	N Longitude _____ W
Media description: _____	
Aliquot #4: Latitude: _____	N Longitude _____ W
Media description: _____	
Aliquot #5: Latitude: _____	N Longitude _____ W
Media description: _____	

STATION ID: HP0006A

SAMPLE ID: HP0006A-CS12"

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: _____	N Longitude _____ W
Media description: <u>REFUGIAL 6"</u>	
Aliquot #2 Latitude: _____	N Longitude _____ W
Media description: <u>REFUGIAL 6"</u>	
Aliquot #3: Latitude: _____	N Longitude _____ W
Media description: <u>REFUGIAL 6"</u>	
Aliquot #4: Latitude: _____	N Longitude _____ W
Media description: <u>REFUGIAL 6"</u>	
Aliquot #5: Latitude: _____	N Longitude _____ W
Media description: <u>REFUGIAL 6"</u>	

* coordinates same as HP0006A-CS6"

ADDRESS: 3430 34TH TERRACE N

PROPERTY ID: MP006

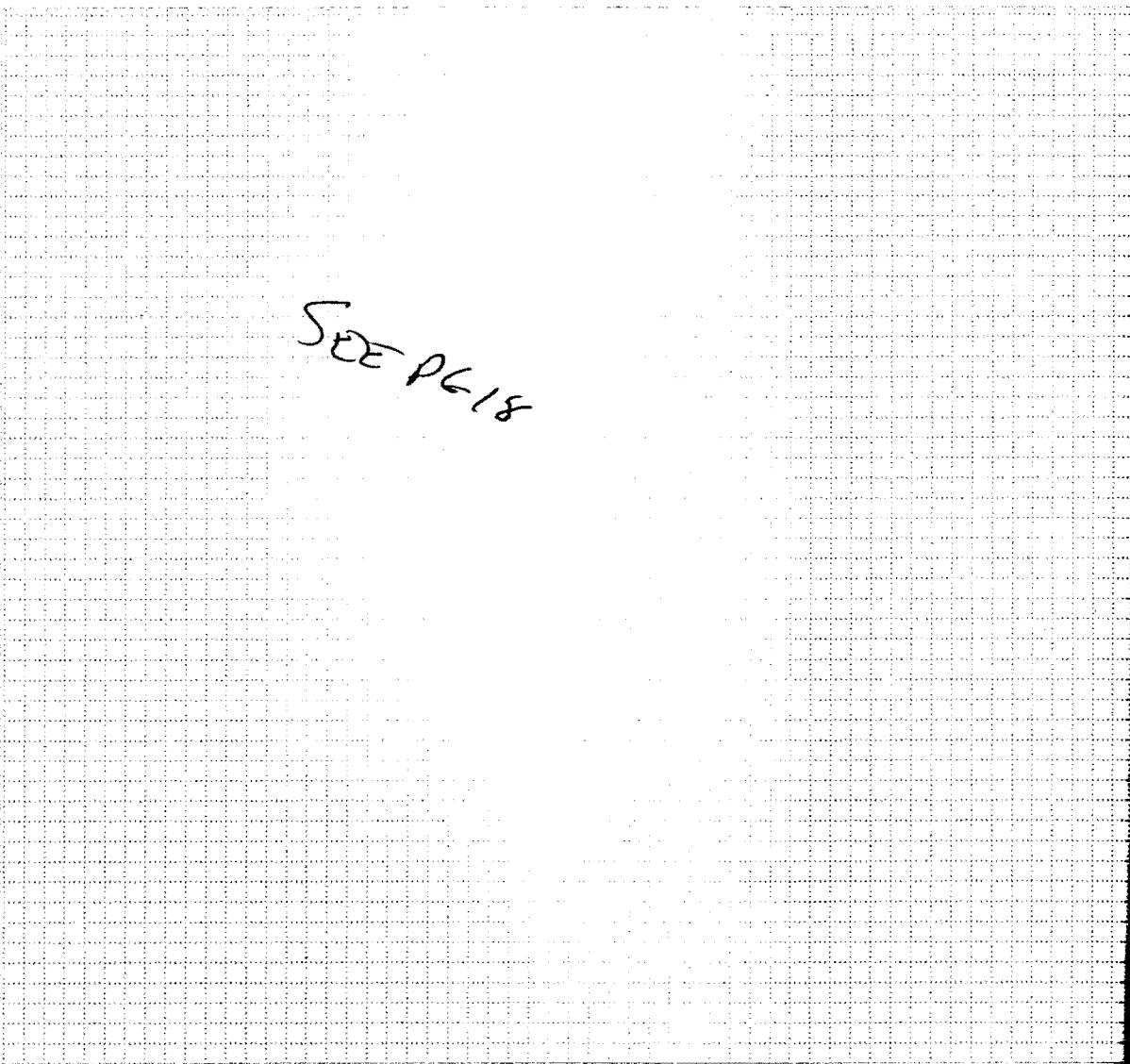
DATE: 1/14/15

ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HPO006A

SAMPLE ID: HPO006A-CS18'

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc): _____

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W
Media description: Refugee 6"

Aliquot #2: Latitude: _____ N Longitude _____ W
Media description: Refugee 6"

Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: Refugee 6"

Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: Refugee 6"

Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: _____

STATION ID: HPO006A

SAMPLE ID: HPO006A-CS24"

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc): _____

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W
Media description: Refugee 6"

Aliquot #2: Latitude: _____ N Longitude _____ W
Media description: Refugee 6"

Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: _____

ADDRESS: 3021 33rd TERRACE N PROPERTY ID: CV0500

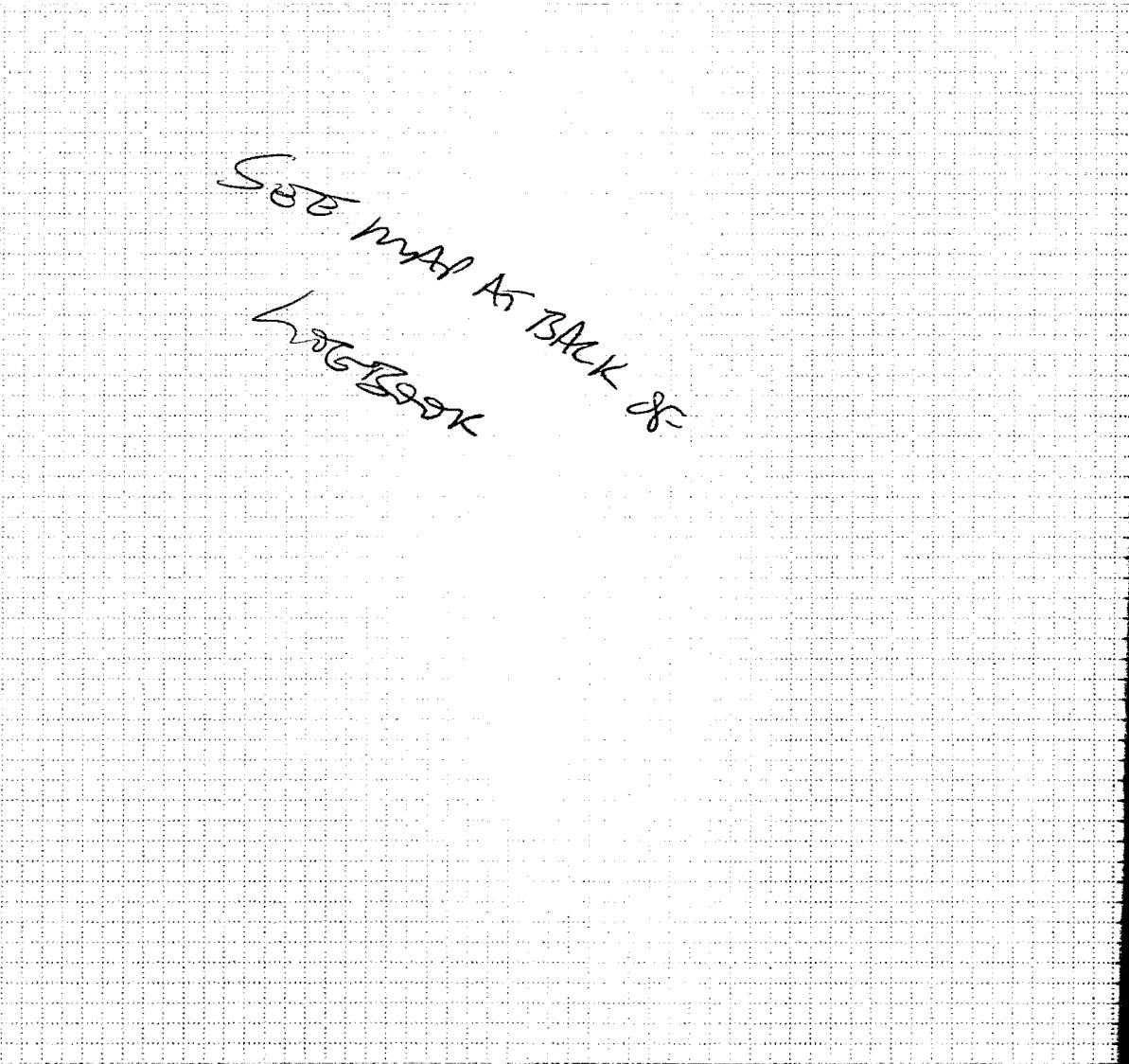
DATE: 1/14/15 ARRIVAL TIME: 1340

Other pertinent information (weather conditions, etc.):

40°F cloudy

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CVOSODA

SAMPLE ID: CVOSODA-CS6"

SAMPLE COLLECTION TIME: 1730

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVOSODA-CS6" C1435

GPS Coordinates:	Trimble []	Instrument #:	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: 33.55698344110 N Longitude -86.80801295500 W			
Media description: GRASS, BLACK SANDY SILT w/GRVEL & COH FRAGS, Damp, no OXID			
Aliquot #2 Latitude: 33.55698842420 N Longitude -86.80811719500 W			
Media description: SOIL SAA			
Aliquot #3: Latitude: 33.55695655590 N Longitude -86.80808353790 W			
Media description: SAA			
Aliquot #4: Latitude: 33.55693471650 N Longitude -86.80801956520 W			
Media description: SAA			
Aliquot #5: Latitude: 33.55693685570 N Longitude -86.80813361340 W			
Media description: SAA			

* SAA - SAME AS ABOVE

STATION ID: CVOSODA

SAMPLE ID: CVOSODA-CS12"

SAMPLE COLLECTION TIME: 1445

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates:	Trimble []	Instrument #:	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: _____ N Longitude _____ W			
Media description: REDDISH ORANGE SOIL CUT w/ SILT, Damp, no OXID			
Aliquot #2 Latitude: _____ N Longitude _____ W			
Media description: SAA			
Aliquot #3: Latitude: _____ N Longitude _____ W			
Media description: SAA			
Aliquot #4: Latitude: _____ N Longitude _____ W			
Media description: SAA			
Aliquot #5: Latitude: _____ N Longitude _____ W			
Media description: SAA			

* SAA - SAME AS ABOVE

ADDRESS: 3021 33RD Terrace N PROPERTY ID: C00500

DATE: 1/14/15 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

SEE PG 22

* coordinates same as CV0500A-CS6" STATION ID: CV0500A SAMPLE ID: CV0500A - CS18"

SAMPLE COLLECTION TIME: 1515

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble D Instrument #: Logged? Y or N

Aliquot #1: Latitude: N Longitude W

Media description: Residential clay, Dtriv, no soil

Aliquot #2 Latitude: N Longitude W

Media description: SAA

Aliquot #3: Latitude: N Longitude W

Media description: SAA

Aliquot #4: Latitude: N Longitude W

Media description: SAA

Aliquot #5: Latitude: N Longitude W

Media description: SAA

* SAA - Same As Above

STATION ID: CV0500A SAMPLE ID: CV0500A - CS24"

SAMPLE COLLECTION TIME: 1530

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble D Instrument #: Logged? Y or N

Aliquot #1: Latitude: N Longitude W

Media description: Residential clay, Dtriv, no soil

Aliquot #2 Latitude: N Longitude W

Media description: SAA

Aliquot #3: Latitude: N Longitude W

Media description: SAA

Aliquot #4: Latitude: N Longitude W

Media description: SAA, depth to 21"

Aliquot #5: Latitude: N Longitude W

Media description: SAA, depth to 21"

* SAA - Same As Above

ADDRESS: 3369 33RD PLACE N

PROPERTY ID: C10401

DATE: 1/15/15

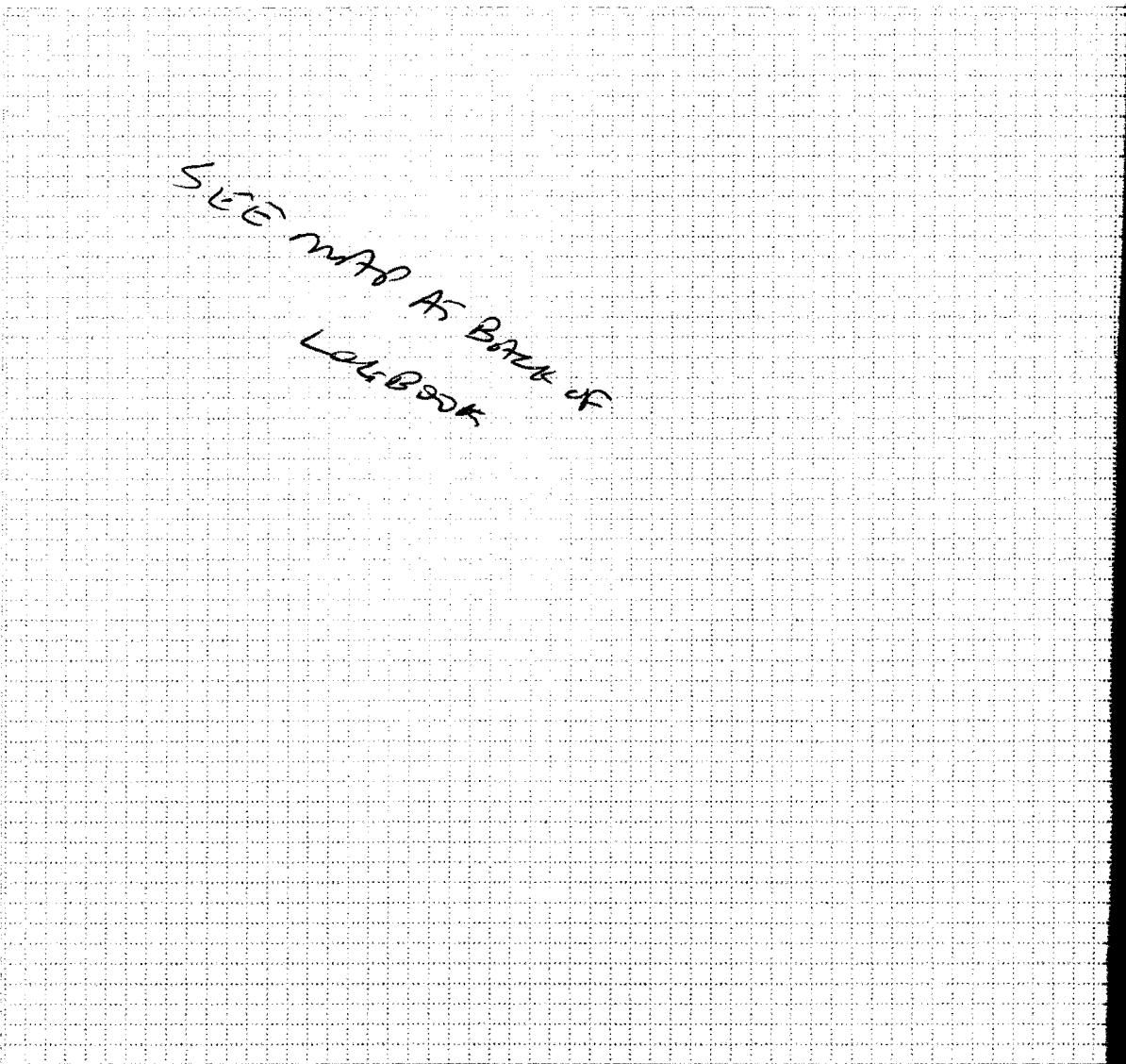
ARRIVAL TIME: 1000

Other pertinent information (weather conditions, etc.):

37° F CLOUDY/DRIZZLE

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CVO401B

SAMPLE ID: CVO401B-CS6"

SAMPLE COLLECTION TIME: 1030

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVO401B-CS6" C1035

GPS Coordinates: Trimble Instrument #: _____ Logged? or N

Aliquot #1: Latitude: 33.55783542820 N Longitude -86.79915030130 W

Media description: Grass, 13W, 15 S, sandy soil w/ low fractal + gravel, 1 atm, no shrubs, Boulders

Aliquot #2 Latitude: 33.55782366710 N Longitude -86.79900873550 W

Media description: Grass, Boulders sandy soil w/ low fractal + gravel, 1 atm, no shrubs, Boulders

Aliquot #3: Latitude: 33.55719545380 N Longitude -86.79906035380 W

Media description: SAA #2 Aliquot

Aliquot #4: Latitude: 33.55773834060 N Longitude -86.79900503650 W

Media description: SAA #3 Aliquot

Aliquot #5: Latitude: 33.55774395000 N Longitude -86.79916853930 W

Media description: Grass, 13W, 15 S, sandy soil w/ low fractal + gravel, 1 atm, no shrubs, Boulders

* Sample - same as above

STATION ID: CVO401B

SAMPLE ID: CVO401B-CS12"

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble Instrument #: _____ Logged? or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: Refuse @ 7"

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: Refuse @ 8"

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: Refuse @ 9"

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: Refuse @ 8"

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: Refuse @ 6"

* Coordinates same as CVO401B-CS6"

ADDRESS: 3369 33RD PLACE N PROPERTY ID: SV0401
DATE: 1/15/15 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

See pg 26

STATION ID: CV0401B

SAMPLE ID: CV0401B-CS18"

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: Refusal @ 7"

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: Refusal @ 8"

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: Refusal @ 9"

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: Refusal @ 8"

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: Refusal @ 6"

STATION ID: CV0401B

SAMPLE ID: CV0401B-CS24"

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: Refusal @ 7"

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: Refusal @ 8"

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: Refusal @ 9"

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: Refusal @ 8"

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: Refusal @ 6"

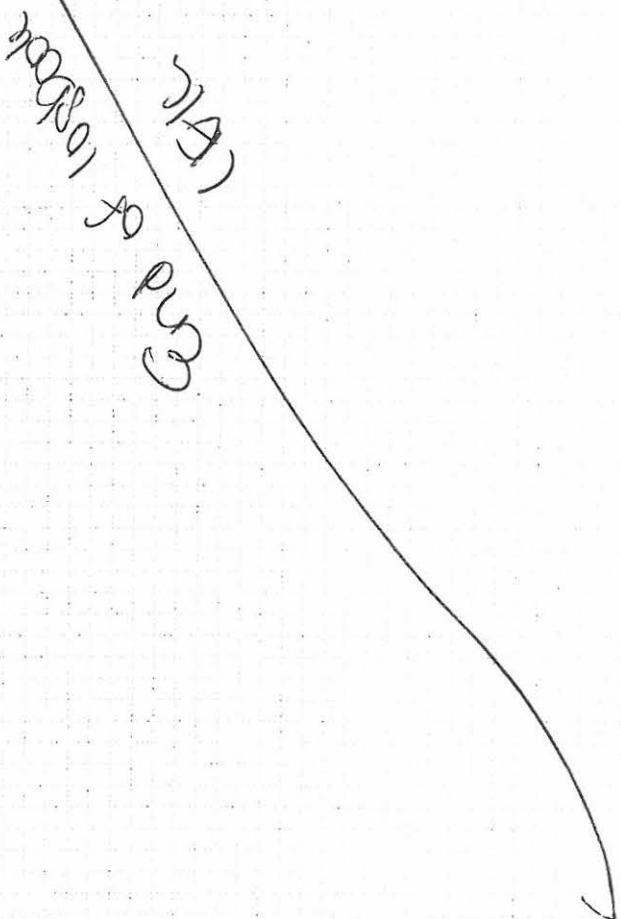
ADDRESS: _____ **PROPERTY ID:** _____

DATE: _____ **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch





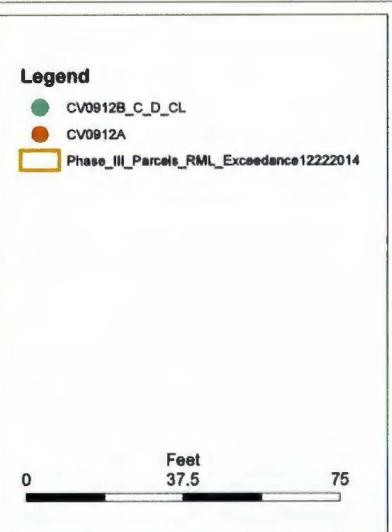
35TH AVENUE SUPERFUND SITE
BIRMINGHAM
JEFFERSON COUNTY
ALABAMA
TDD NO. 2014078-1006

FIGURE 1
MAP



United States Environmental Protection Agency





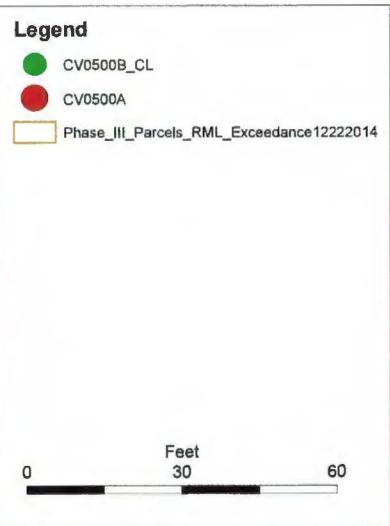
35TH AVENUE SUPERFUND SITE
BIRMINGHAM
JEFFERSON COUNTY
ALABAMA
TDD NO. 2014078-1006

FIGURE 1
MAP



United States Environmental Protection Agency





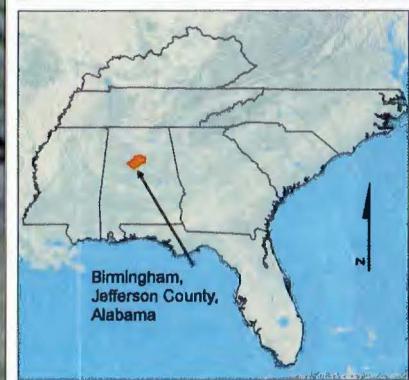
35TH AVENUE SUPERFUND SITE
BIRMINGHAM
JEFFERSON COUNTY
ALABAMA
TDD NO. 2014078-1006

FIGURE 1
MAP



United States Environmental Protection Agency





35TH AVENUE SUPERFUND SITE
BIRMINGHAM
JEFFERSON COUNTY
ALABAMA
TDD NO. 2014078-1006

FIGURE 1
MAP



United States Environmental Protection Agency



Legend

- HP0006B_CL
- HP0006A



35TH AVENUE SUPERFUND SITE
BIRMINGHAM
JEFFERSON COUNTY
ALABAMA
TDD NO. 2014078-1006

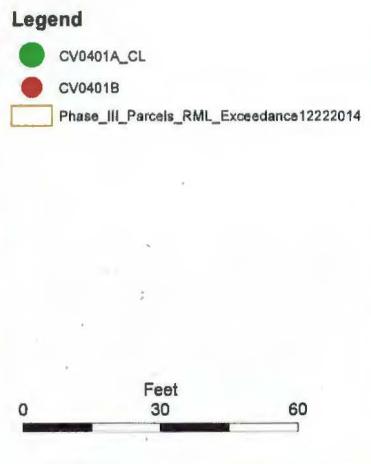
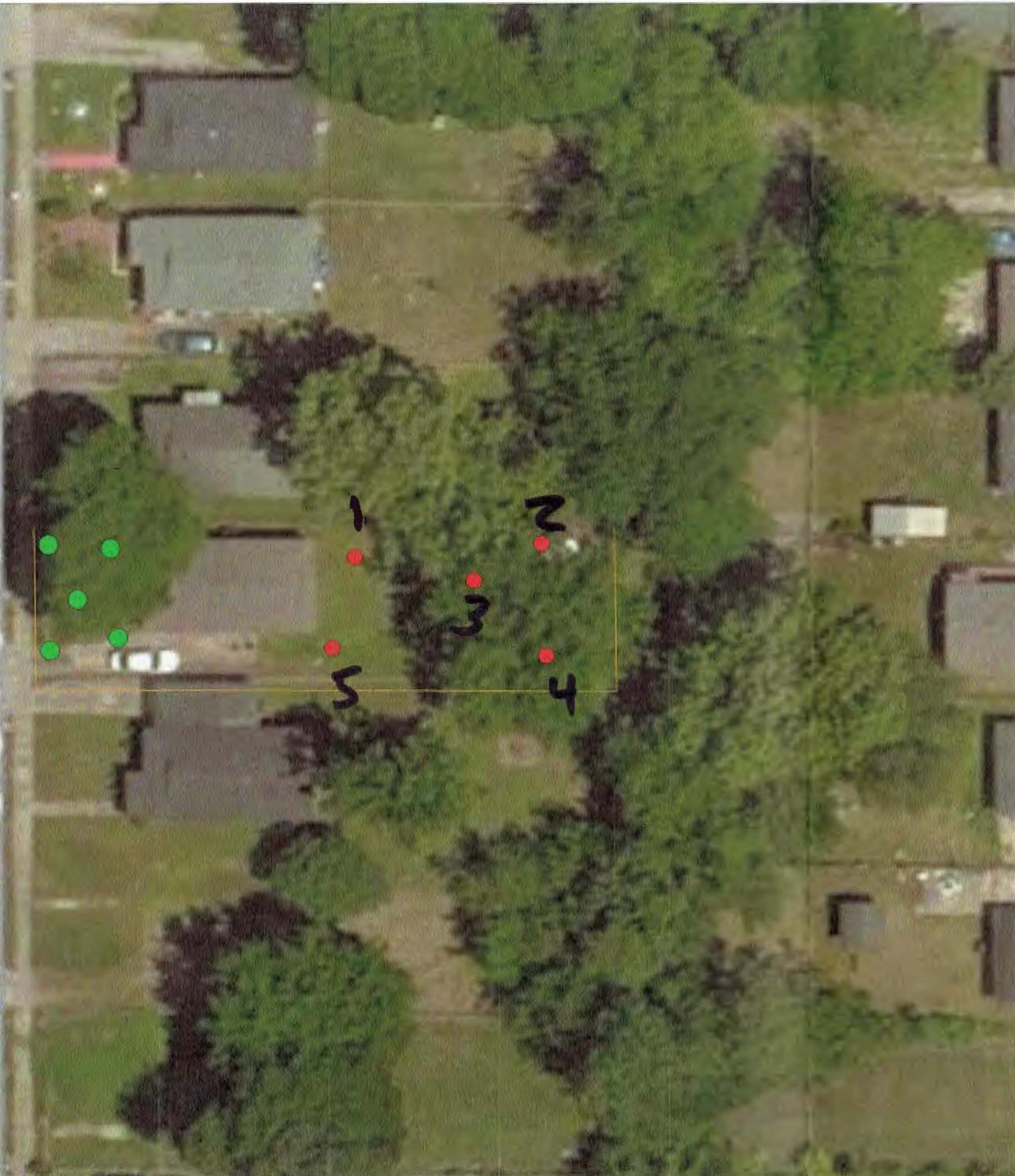
FIGURE 1
MAP



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33rd Pl N



35TH AVENUE SUPERFUND SITE
BIRMINGHAM
JEFFERSON COUNTY
ALABAMA
TDD NO. 2014078-1006

FIGURE 1
MAP



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